**### Data Analysis Using SQL**

*1. Show all customer records*

SELECT \* FROM customers;

*2. Show total number of customers*

SELECT count(\*) FROM customers;

*3. Show transactions for Chennai market (market code for chennai is Mark001*

SELECT \* FROM transactions where market\_code='Mark001';

*4. Show distinct product codes that were sold in chennai*

SELECT distinct product\_code FROM transactions where market\_code='Mark001';

*5. Show transactions where currency is US dollars*

SELECT \* from transactions where currency="USD"

*6. Show transactions in 2020 join by date table*

SELECT transactions.\*, date.\* FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020;

*7. Show total revenue in year 2020,*

SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and transactions.currency="INR\r" or transactions.currency="USD\r";

*8. Show total revenue in year 2020, January Month,*

SELECT SUM(transactions.sales\_amount) FROM transactions

INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and date.month\_name="January" and (transactions.currency="INR\r" or transactions.currency="USD\r");

*9. Show total revenue in year 2020 in Chennai*

SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020

and transactions.market\_code="Mark001";